BRUHATH BANGALORE MAHANAGARA PALIKE
SCHEDULE B

NAME OF WORK: Drilling of Borewell and Erecting pump and motor and providing MWS behind the Police Station at Jalahalli (MWS)

Sl. No	Qty	Description of work	Unit	Tender Rate	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	1.00	Geophysical investigation of site for sinking borewell for supply drinking water to the habitation either through the hand pump M.W.S or P.W.S.S by vertical electrical sounding by adopting venner or schlumberger's method including reconnaissance survey of geological formation Geophysical investigation of existing ground water infecundity its quality, quantity & acceptability of the user indicating the location of site recommended depth of casting pipe required to seal the top in consolidated formation including an extra depth of 1.00 Mtr in consolidated formation of proper scatting of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation technical personal and labour etc.,	each	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2		Sinking borewell of 165 mm dia clear using super fast hydraulic Rig of capacity 250 PSIG and Above 900 CFM & above in all Strata including over burden upto 20 mtrs fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of Rig and Supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars and cap, etc.,			
	50.00	a) 0.00 to 50.00 mtrs	rmt	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
	50.00	b) 50.00 to 100.00 mtrs	rmt	412.00	Rupees Four Hundred Twelve Only
	50.00	c) 100.00 to 150.00 mtrs	rmt	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only
	50.00	d) 150.00 to 200.00 mtrs	rmt	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only
	50.00	e) 200.00 to 250.00 mtrs	rmt	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
	20.00	f) 250.00 to 270.00 mtrs	rmt	600.49	Rupees Six Hundred and Forty Nine Paise Only
3	70.00	Supply of ISI mark 175 mm nominal bore, medium black ERW casing pipe of 5mm thick black electric resistance continuous welded midle steel tube meterial and cofirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 th 7 mtr both ends threaded confirming to IS 554/1985 one end (including of all taxes)	rmt	1364.75	Rupees One Thousand Three Hundred Sixty Four and Seventy Five Paise Only

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4	5.00	Providing and fixng 250mm dia PVC pipe and as per specification and direction	rmt	1133.00	Rupees One Thousand One Hundred Thirty Three Only
5	1.00	Providing 175 mm dia MS casing cap	each	103.00	Rupees One Hundred Three Only
6	9.00	MS Casing pipe collars C class	each	154.50	Rupees One Hundred Fifty Four and Fifty Paise Only
7	1.00	Supplying and delivery at site brand new texmo / innoval / Lubi / Sabar / Atalanta / Calamal make suitable for vertical installation in 150mm dia borewell comprising of single stage of multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 10 PH., 50 Hz, 380/440 volts AC supply fitted with required accessories such as suction casing suction strainers sand guard Non return value etc., complete. The pump and motor shall form an integral unit with all the required fittings for suitable HP of motor and stage	no	75541.17	Rupees Seventy Five Thousand Five Hundred Forty One and Seventeen Paise Only
8	260.00	Providing laying & jointing GI pipes confirming IS specification of approved make with fitting s such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc., complete A grade (excluding cost of fittings) b 50mm dia GI pipe	rmt	340.26	Rupees Three Hundred Forty and Twenty Six Paise Only
9	44.00	Providing & fixing heavy duty collar	no	159.00	Rupees One Hundred Fifty Nine Only
10	550.00	Supplying and drawing 3 core PVC sheather submercible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia	mtrs	164.29	Rupees One Hundred Sixty Four and Twenty Nine Paise Only
11	1.00	Supplying and delivery at site brand new star / Essen / Lotus / Sun shines / Adarsh / GK Controls best indigenous make combined energy meter cum control panel board unit of size 1200x600x300 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3ph, 50 Hz, 380/440 volts, AC supply with spring loaded latch, locking device with a key ribs should be provided inside the door canopy apron and louvers ventilators shall be provided the combined energy meter cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 volts AC supply shall be consists etc, complete the panel board shall be consists etc., complete the panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	no	14800.00	Rupees Fourteen Thousand Eight Hundred Only
12	22000.00	Fabricating supplying and mounting MS box of 6 SWG suitable for floor/wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm	sqm	0.34	Thirty Four Paise Only
13	1.00	Providing & fixing of clamps set and borewell cap to the pump (MR)	no	690.00	Rupees Six Hundred Ninety Only

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14	3.00	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel valve)	no	1696.00	Rupees One Thousand Six Hundred Ninety Six Only
15	3.00	Supplying and delivery of brand new best make Gate Valve of sixe 50mm as per IS: 778/84 with latest amendments with ISI mark 50mm Gate valve for dtstributer pipeline 50mm dia	no	1213.70	Rupees One Thousand Two Hundred Thirteen and Seventy Paise Only
16	3.00	Providing and fixing of 50mm GI bend to motor	no	232.14	Rupees Two Hundred Thirty Two and Fourteen Paise Only
17	3.00	Providing and fixing of 50mm GI Nipple to motor	no	110.56	Rupees One Hundred Ten and Fifty Six Paise Only
18	3.00	Providing and fixing of 50mm GI union to the motor	no	237.12	Rupees Two Hundred Thirty Seven and Twelve Paise Only
19	1.00	Labour charges for end connection (MR)	no	400.00	Rupees Four Hundred Only
20	51.00	Labour charges for erection of new /repaired submersible pimpset along with GUI nipples (32/50mm) cable (new submersible pumpset if required with be supplied by the department free of cost and released pump ster should be haned over to department) including transportion (each length=6.00m)	Per length	90.64	Rupees Ninety and Sixty Four Paise Only
21	1.00	Erection of combined panel board and meter unit with necessary materials and labour including providing cement concrete 1:3:6 foundation bed etc., complete for basement out door type (MR)	no	475.00	Rupees Four Hundred Seventy Five Only
22	1.00	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required. 40 to 63 amps DP	no	906.40	Rupees Nine Hundred Six and Forty Paise Only
23	30.00	Supplying and laying of LTUG cable having alluminium conductor PVC insulated shethed galvanised steel wire/steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554)	mtrs	169.95	Rupees One Hundred Sixty Nine and Ninety Five Paise Only
24	30.00	Digging of trenches of 0.6mmX0.50 mtrs wide refilling the trench to the required ground level and consolidating etc., complete sutting road surfaces	mtrs	56.65	Rupees Fifty Six and Sixty Five Paise Only
25	10.00	Supplying and fixing class A GI pipe on pole / wall / drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V class 40 mm	mtrs	294.58	Rupees Two Hundred Ninety Four and Fifty Eight Paise Only
26	1.00	Suppying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipements on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit, the pit should be filled with qual proportion of salt and charocal 150mm alround the pipe to complete depth the connections form the pipe to the conduit etc., is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc., the pipe shall have 16 through holes of 122mm dia	no	1699.50	Rupees One Thousand Six Hundred Ninety Nine and Fifty Paise Only
27	1.00	Supplying and fixing LT cast iron pot heads suitable for 1.1 K.V. class UG cable filled with necessary bitumin insulating compound complete with terminals, clamps, bolts nuts & washers etc.,	no	271.92	Rupees Two Hundred Seventy One and Ninety Two Paise Only
28	1.00	Supplying shunt capacitor's confirming to IS 2834, 3 phase 400/440 volts grade for power factor improvement of roating machinery capacitors in KVAR rating no's (MR)	no	1350.00	Rupees One Thousand Three Hundred Fifty Only
29	3.00	Providing anf fixing Gun wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc.,	no	1515.80	Rupees One Thousand Five Hundred Fifteen and Eighty Paise Only

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30	1.00	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing thew same to wall using tapered inverted wooden plugs screws etc.,	no	311.58	Rupees Three Hundred Eleven and Fifty Eight Paise Only
31		KPTCL deposit charges			
32	2.50	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complte as per specifications	mtrs	9087.12	Rupees Nine Thousand Eighty Seven and Twelve Paise Only
33	1.69	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.	cum	227.88	Rupees Two Hundred Twenty Seven and Eighty Eight Paise Only
34	2.05	Providing and laying in position plain cement concrete of mix M 7.5 with OPC cement at 180kgs, with 40mm and down size graded metal course aggregates @ 0.892 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15 cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	cum	4290.84	Rupees Four Thousand Two Hundred Ninety and Eighty Four Paise Only
35	1.35	Providing and constructing granite/trap/basalt size masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification	cum	3549.96	Rupees Three Thousand Five Hundred Forty Nine and Ninety Six Paise Only
36	1.35	Providing and constructing granite/trap/basalt size masonry in basement with cement mortar 1:6 stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specification	cum	4227.12	Rupees Four Thousand Two Hundred Twenty Seven and Twelve Paise Only
37	2.05	Providing and laying in position plain cement concrete of mix M 15 with OPC cement at 240kgs, with 20mm and down size graded metal course aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not, exceeding 15 cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	cum	4779.00	Rupees Four Thousand Seven Hundred Seventy Nine Only
38	3.60	Providing Flush pointing to coursed stone masonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20mm nicely including cost of materials, labour, curing compete as per specification	sqm	79.92	Rupees Seventy Nine and Ninety Two Paise Only
39	30.00	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm repectively 400mm high 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork curing including cost of all materials, labour hire chargesof machinery loading lead and lift transportation etc complete	no	267.84	Rupees Two Hundred Sixty Seven and Eighty Four Paise Only
40	6.00	Elbow	no	111.80	Rupees One Hundred Eleven and Eighty Paise Only
41	6.00	Tee	no	169.00	Rupees One Hundred Sixty Nine Only

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42	7.00	Union	no	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
43	6.00	Nipple	no	104.30	Rupees One Hundred Four and Thirty Paise Only
44	2.00	Providing and fixing in position brass gate valve with CI wheel of approved quality (Screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	each	1493.00	Rupees One Thousand Four Hundred Ninety Three Only
45	1.00	Labour charges for giving 50mm dia GI pipe end connection from rising main to cistern including cutting thereasding convaying laying and jointing etc., complete inclusive of fixing 4 nos of 20mm dia GI pipes with taps to the cistern	each	1388.00	Rupees One Thousand Three Hundred Eighty Eight Only
46	1.00	Erection of RCC Hume pipe pump house/cistern on size stone masnry platform including tranportation charges and handing with all necessary tools and plants complete as directed by the Engineer in charge of work	each	1220.00	Rupees One Thousand Two Hundred Twenty Only
47	263.25	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m specification	cum	227.88	Rupees Two Hundred Twenty Seven and Eighty Eight Paise Only
48	585.00	Providing and instalation at site of works PVC pipes including cost of pipes and species and including lowering into trenches laying true to line level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth not less than 15 cm with grave or selected earth available from the execavation etc.,	rmt	157.00	Rupees One Hundred Fifty Seven Only
49	263.25	Refilling available earth around pipe lines, cable in layers not exceeding 20cms in depth, campacting each deposited layer by ramming after wtering with lead upto 50mm and lift 1.5m, including cost of all labour complete as per specifications	cum	59.36	Rupees Fifty Nine and Thirty Six Paise Only

Signature of the Contractor

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Executive Engineer
Rajarajeshwarinagara Division
B.B.M.P.

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